

Data File : BN007516.D
Acq On : 29 Aug 2019 23:29
Operator : HP/JU
Sample : K4524-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MSD

Quant Time: Aug 30 02:01:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5037	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	23374	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	15220	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	38508	0.40	ng	0.00
27) Chrysene-d12	21.02	240	41703	0.40	ng	0.00
34) Perylene-d12	23.11	264	39110	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	5059	0.28	ng	0.00
5) Phenol-d6	6.59	99	7967	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	5194	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	12686	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	4190	0.53	ng	0.00
15) 2-Fluorobiphenyl	12.65	172	16028	0.26	ng	0.00
25) Fluoranthene-d10	18.84	212	31044	0.25	ng	0.00
29) Terphenyl-d14	19.46	244	35720	0.33	ng	-0.01

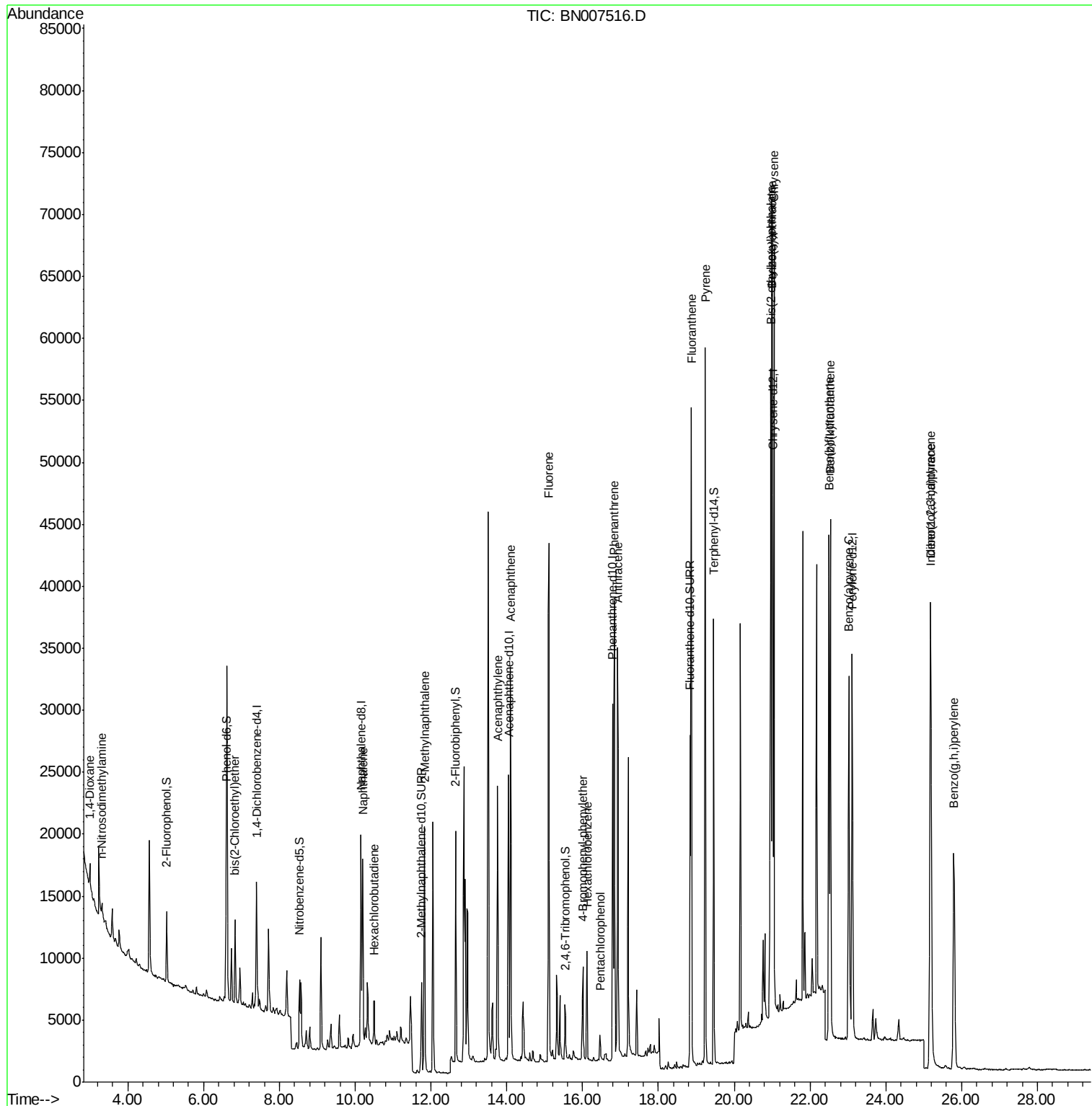
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.00	88	1896	0.227	ng	# 92
3) n-Nitrosodimethylamine	3.31	42	858	0.221	ng	# 37
6) bis(2-Chloroethyl)ether	6.83	93	5756	0.316	ng	96
9) Naphthalene	10.20	128	21111	0.316	ng	# 90
10) Hexachlorobutadiene	10.51	225	3562	0.260	ng	# 99
12) 2-Methylnaphthalene	11.83	142	15541	0.342	ng	96
16) Acenaphthylene	13.76	152	26248	0.291	ng	99
17) Acenaphthene	14.10	154	15972	0.303	ng	99
18) Fluorene	15.10	166	21963	0.330	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	3136	0.207	ng	# 88
21) Hexachlorobenzene	16.11	284	7824	0.303	ng	96
22) Pentachlorophenol	16.46	266	1427	0.178	ng	# 66
23) Phenanthrene	16.84	178	38634	0.334	ng	99
24) Anthracene	16.92	178	36150	0.310	ng	99
26) Fluoranthene	18.87	202	49742	0.334	ng	99
28) Pyrene	19.23	202	51140	0.305	ng	99
30) Benzo(a)anthracene	20.99	228	49822	0.304	ng	100
31) Chrysene	21.05	228	48022	0.304	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	50524	0.458	ng	99
33) Indeno(1,2,3-cd)pyrene	25.17	276	44050	0.231	ng	98
35) Benzo(b)fluoranthene	22.50	252	46463	0.328	ng	97
36) Benzo(k)fluoranthene	22.54	252	47270	0.338	ng	# 97
37) Benzo(a)pyrene	23.02	252	42891	0.318	ng	97
38) Dibenzo(a,h)anthracene	25.19	278	36374	0.270	ng	98
39) Benzo(g,h,i)perylene	25.80	276	36221	0.270	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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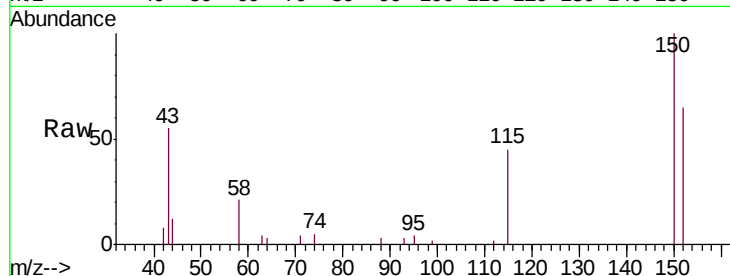


#1

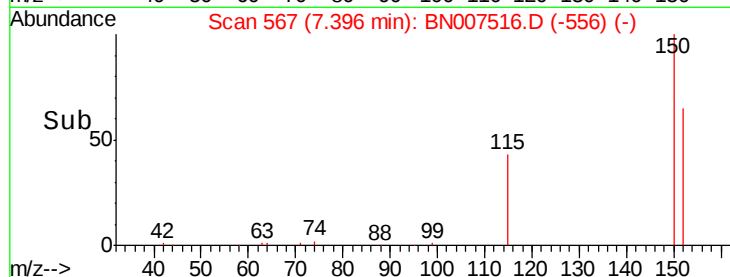
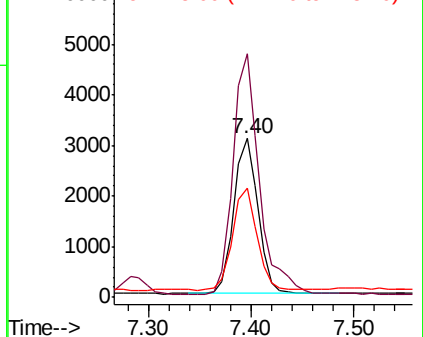
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MSD

Tgt Ion: 152 Resp: 5037
Ion Ratio Lower Upper
152 100
150 153.5 109.1 163.7
115 68.6 59.6 89.4



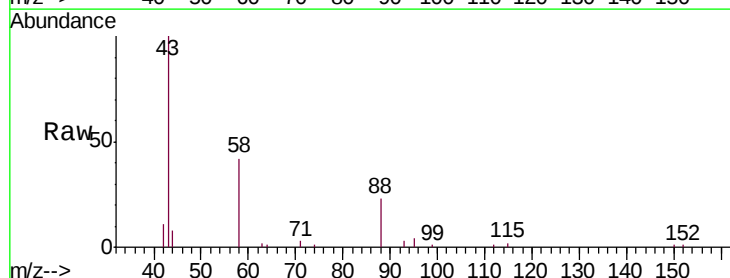
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



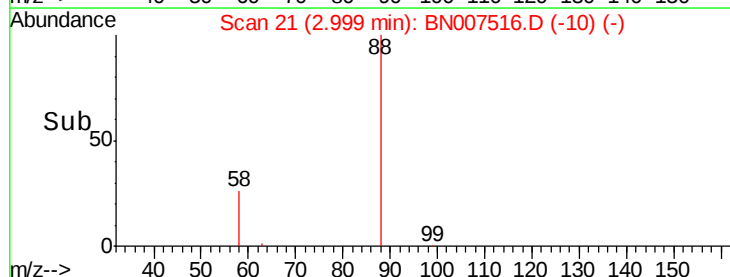
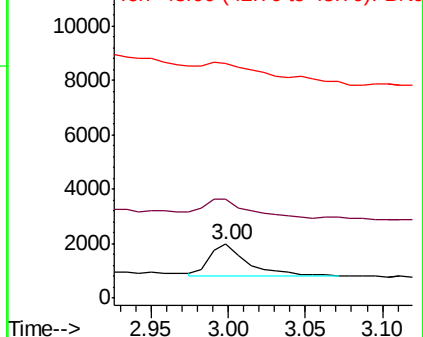
#2

1,4-Dioxane
Concen: 0.227 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

Tgt Ion: 88 Resp: 1896
Ion Ratio Lower Upper
88 100
58 69.7 50.5 75.7
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.221 ng

RT: 3.31 min Scan# 60

Delta R.T. -0.02 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

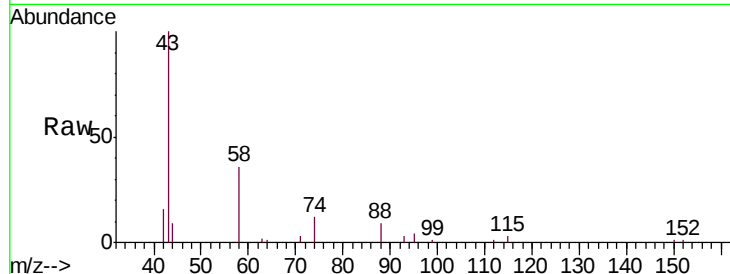
Tgt Ion: 42 Resp: 858

Ion Ratio Lower Upper

42 100

74 272.0 144.7 217.1#

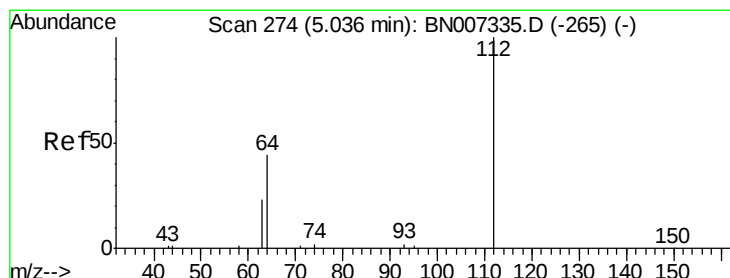
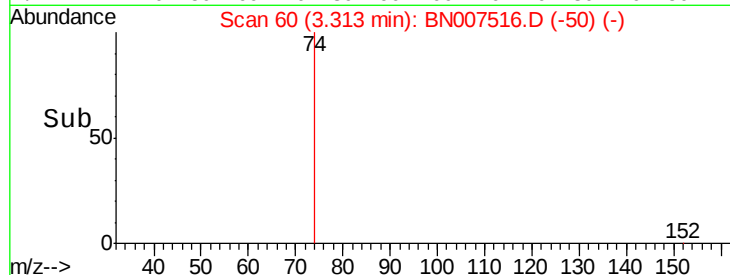
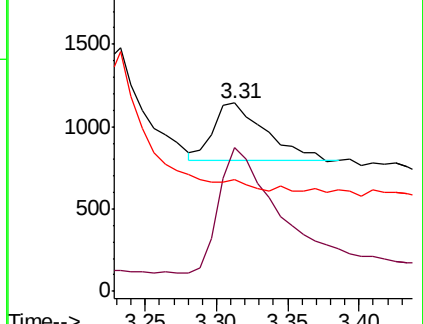
44 0.0 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.281 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

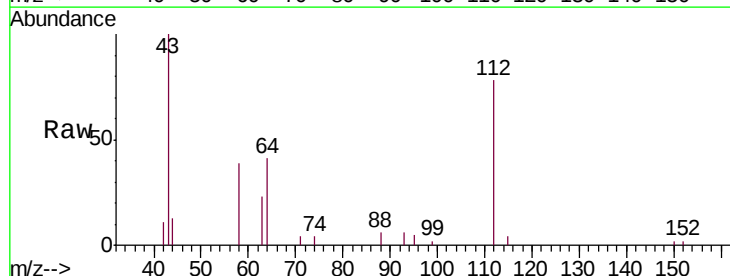
Tgt Ion: 112 Resp: 5059

Ion Ratio Lower Upper

112 100

64 53.0 42.3 63.5

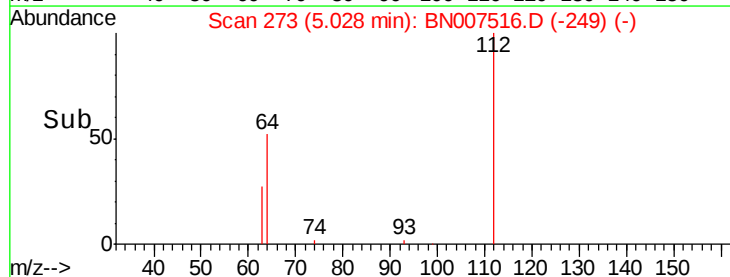
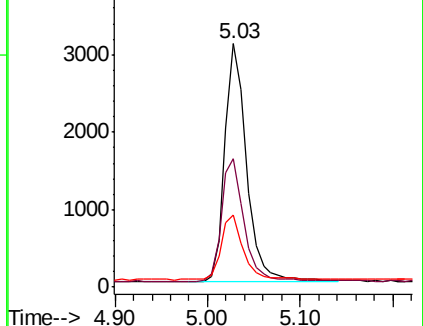
63 28.3 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.355 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

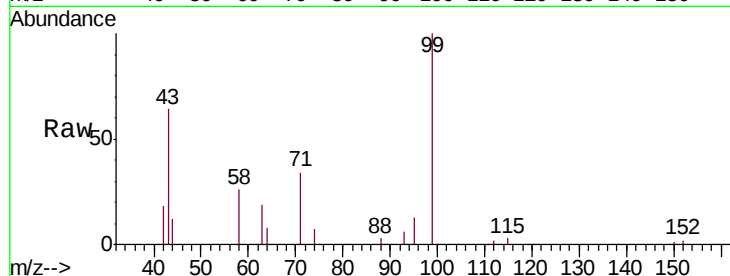
Tgt Ion: 99 Resp: 7967

Ion Ratio Lower Upper

99 100

42 24.2 11.2 16.8#

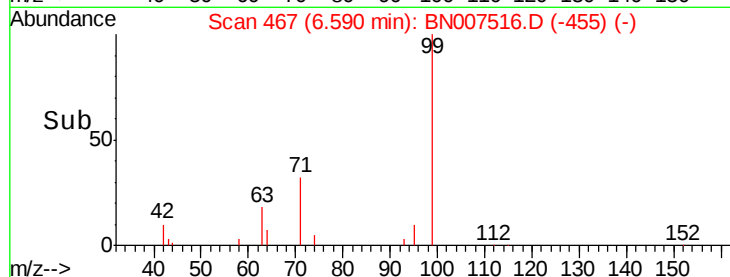
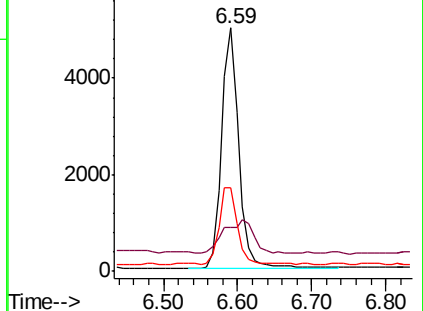
71 34.3 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007516.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007516.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007516.D (-455) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.316 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

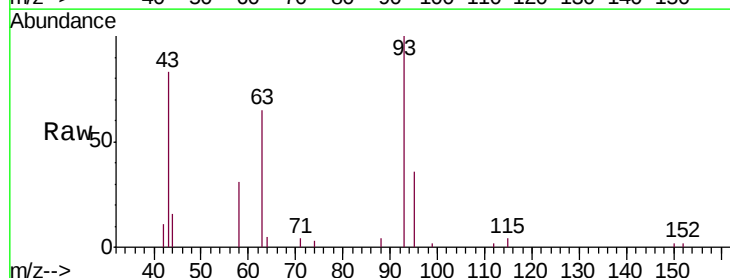
Tgt Ion: 93 Resp: 5756

Ion Ratio Lower Upper

93 100

63 62.5 51.9 77.9

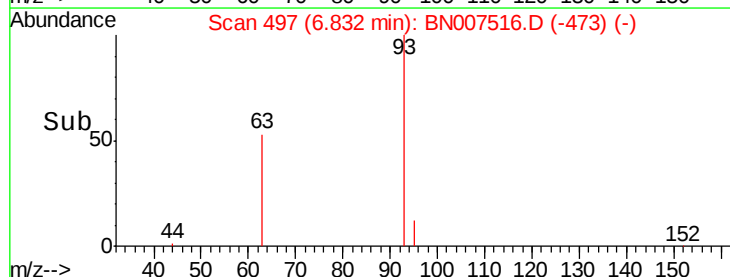
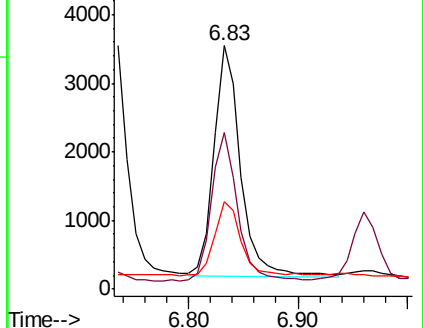
95 32.0 27.7 41.5

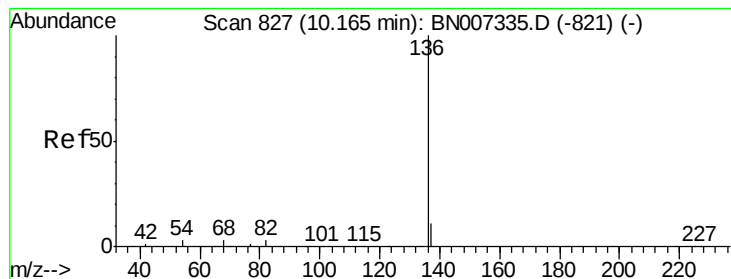


Abundance Ion 93.00 (92.70 to 93.70): BN007516.D (-473) (-)

Ion 63.00 (62.70 to 63.70): BN007516.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BN007516.D (-473) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

Tgt Ion:136 Resp: 23374

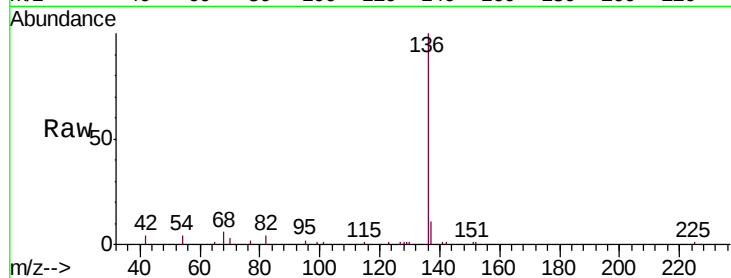
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 4.4 8.6 12.8#

68 5.9 17.0 25.4#



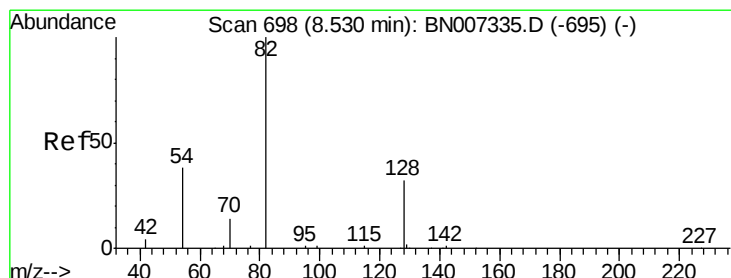
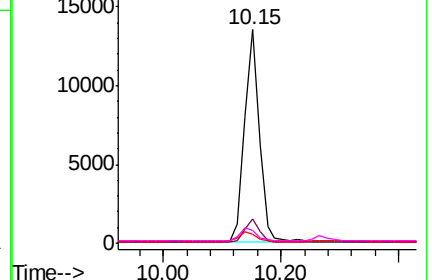
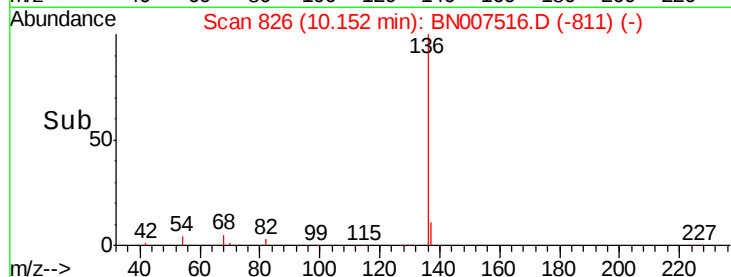
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.255 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

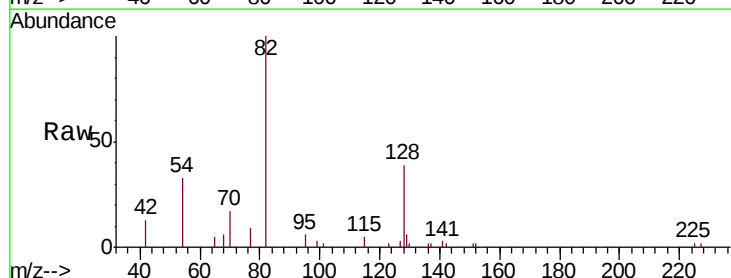
Tgt Ion: 82 Resp: 5194

Ion Ratio Lower Upper

82 100

128 38.9 19.7 29.5#

54 33.2 25.8 38.6

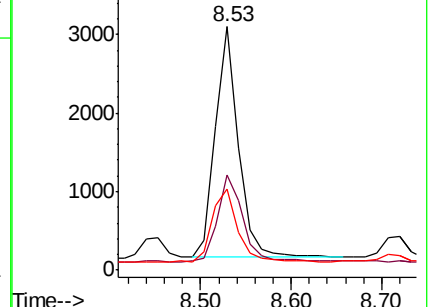
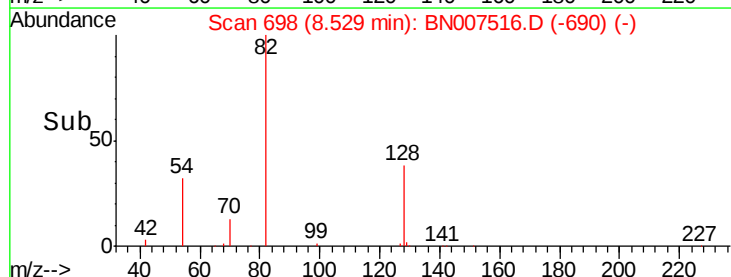


Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.316 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007516.D

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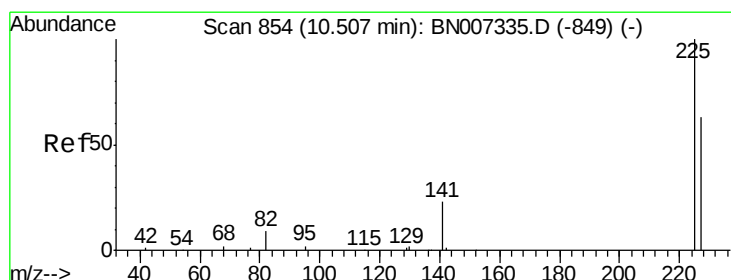
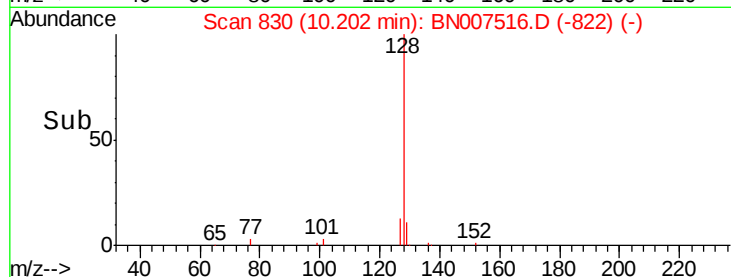
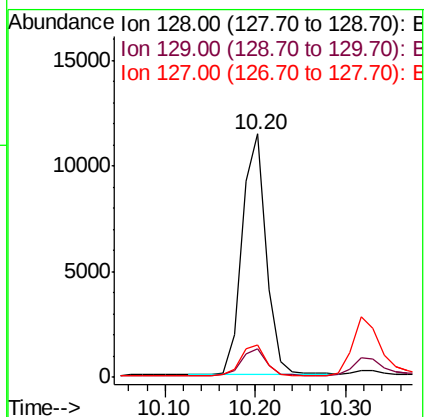
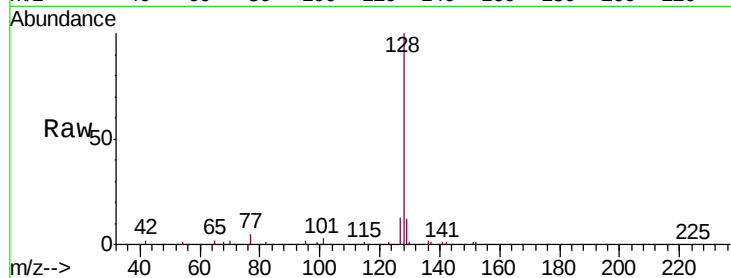
Tgt Ion:128 Resp: 21111

Ion Ratio Lower Upper

128 100

129 11.5 11.1 16.7

127 13.4 15.5 23.3#



#10

Hexachlorobutadiene

Concen: 0.260 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

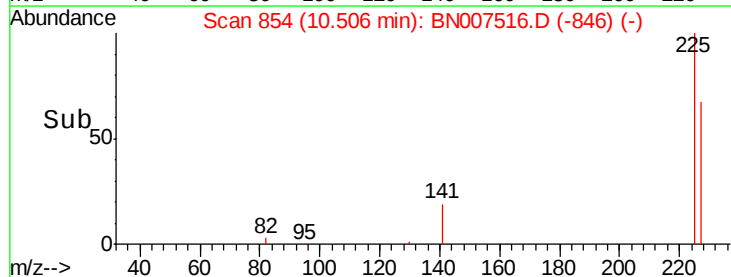
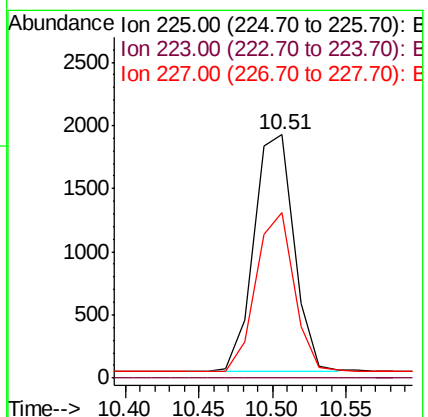
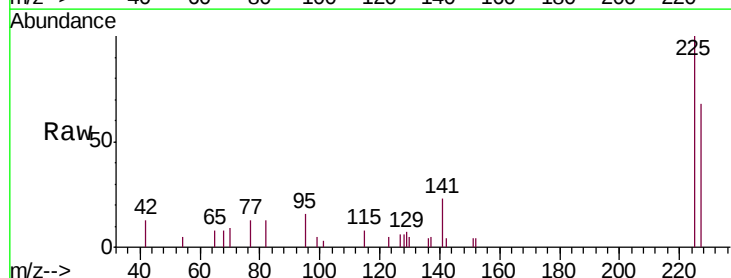
Tgt Ion:225 Resp: 3562

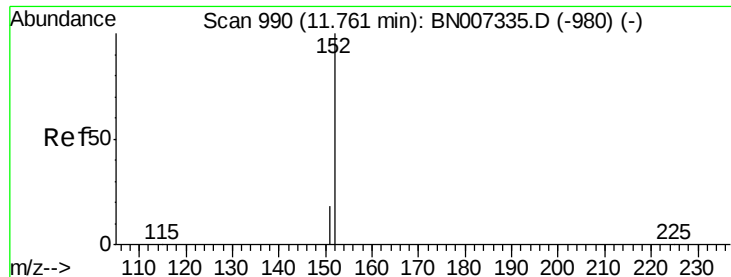
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.5 50.7 76.1

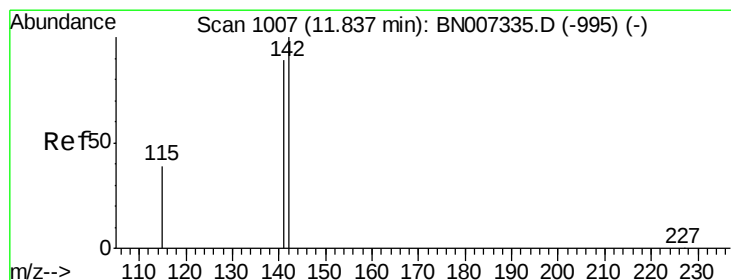
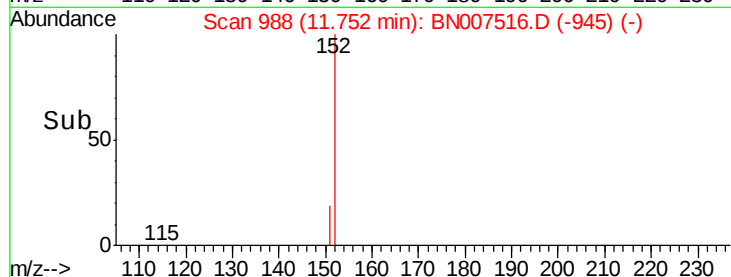
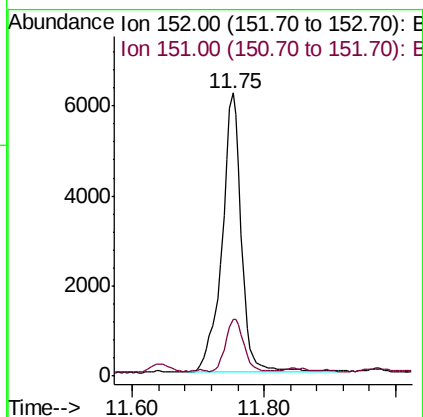
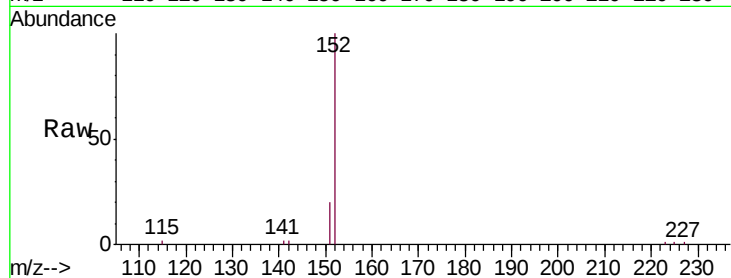




#11
2-Methylnaphthalene-d10
Concen: 0.327 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

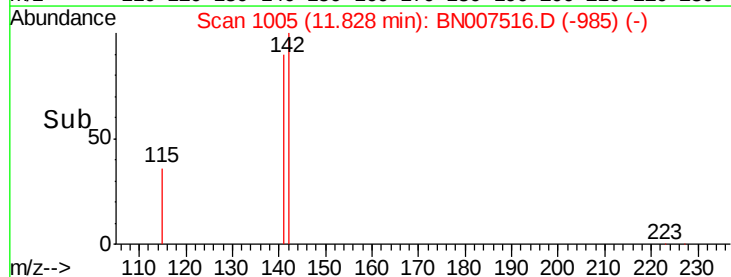
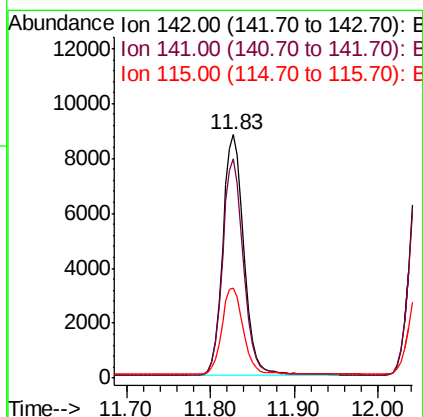
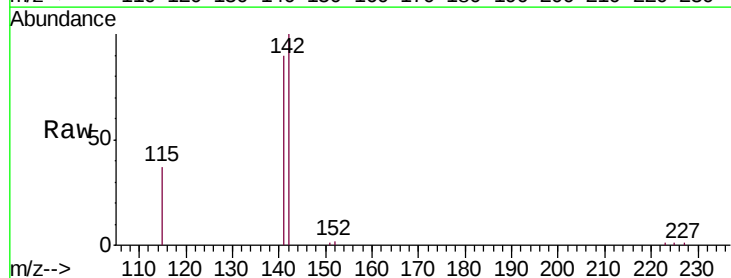
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Tgt Ion:152 Resp: 12686
Ion Ratio Lower Upper
152 100
151 17.3 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.342 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

Tgt Ion:142 Resp: 15541
Ion Ratio Lower Upper
142 100
141 90.0 72.8 109.2
115 37.1 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

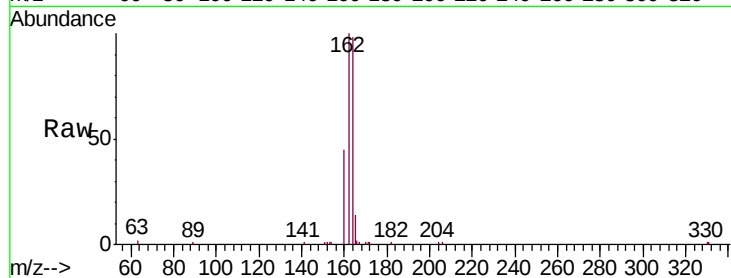
Tgt Ion:164 Resp: 15220

Ion Ratio Lower Upper

164 100

162 102.4 83.5 125.3

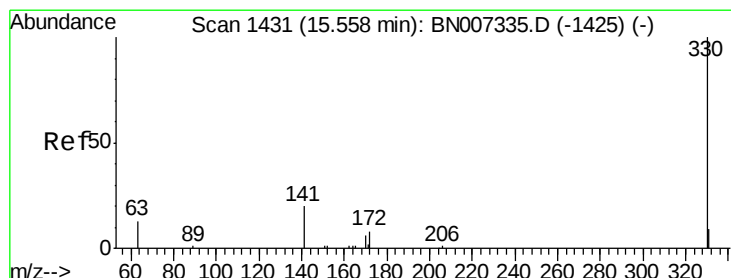
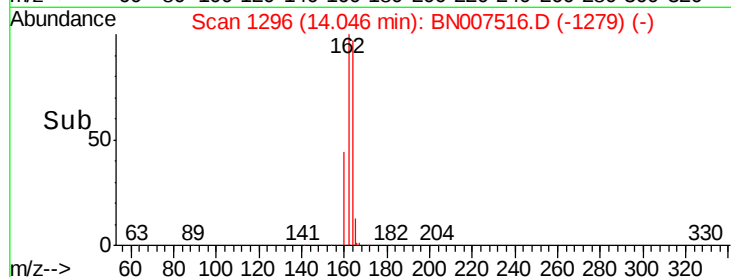
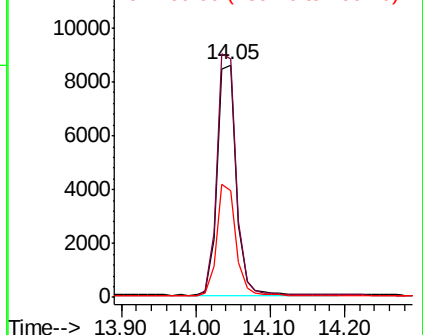
160 45.7 38.2 57.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.526 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

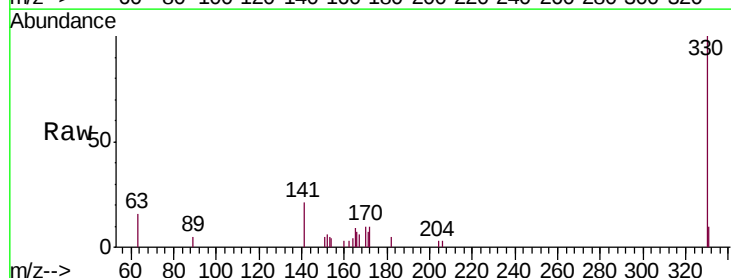
Tgt Ion:330 Resp: 4190

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

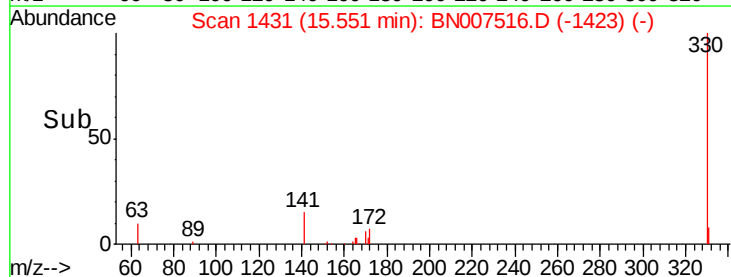
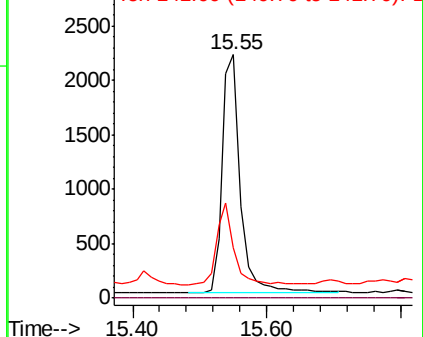
141 33.4 26.9 40.3



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

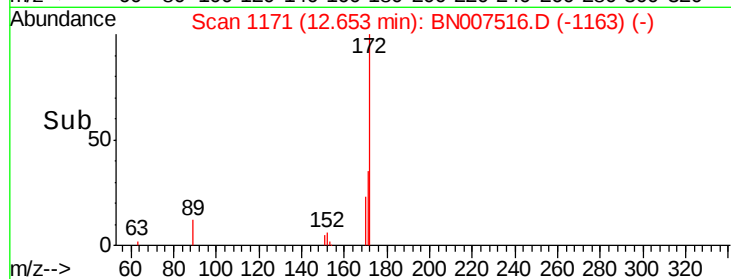
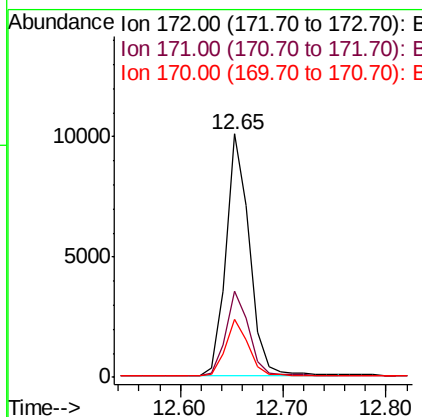
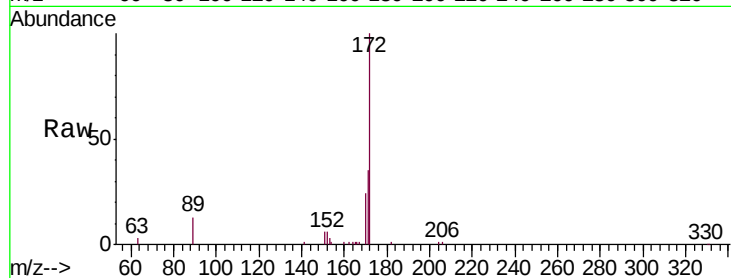




#15
2-Fluorobiphenyl
Concen: 0.261 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

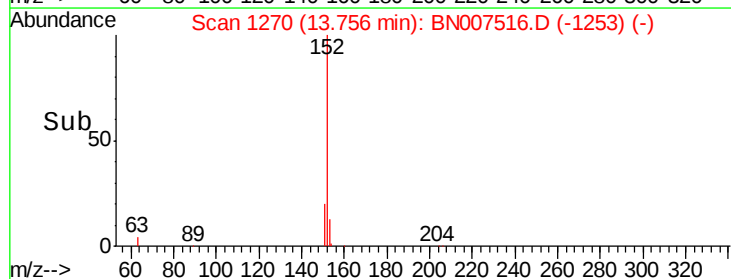
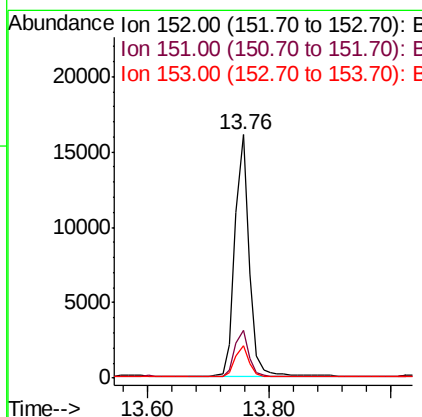
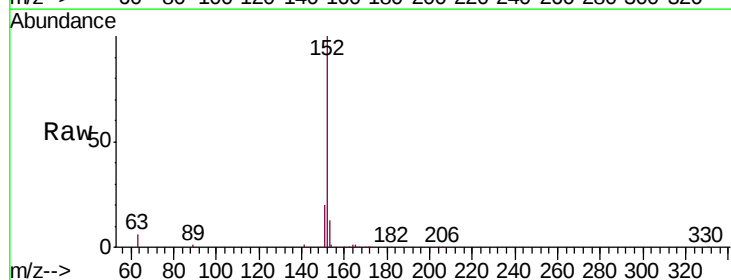
Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MSD

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.3	45.5
170	23.9	20.7	31.1



#16
Acenaphthylene
Concen: 0.291 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	12.9	10.6	15.8





#17

Acenaphthene

Concen: 0.303 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

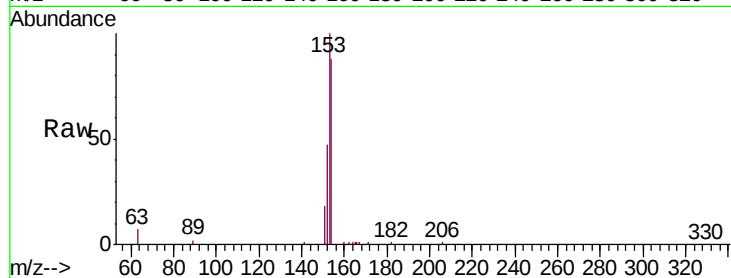
Tgt Ion:154 Resp: 15972

Ion Ratio Lower Upper

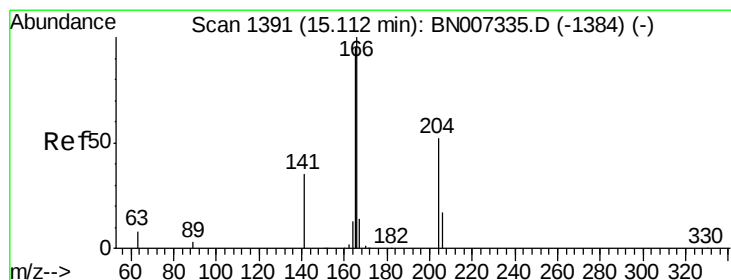
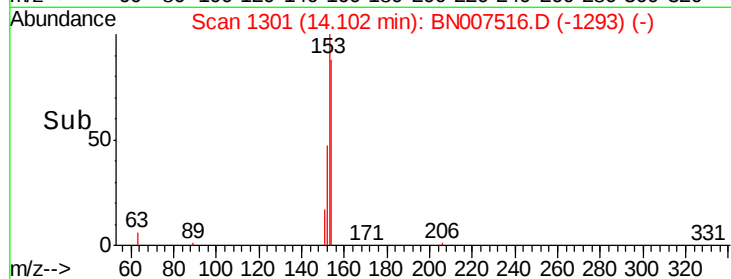
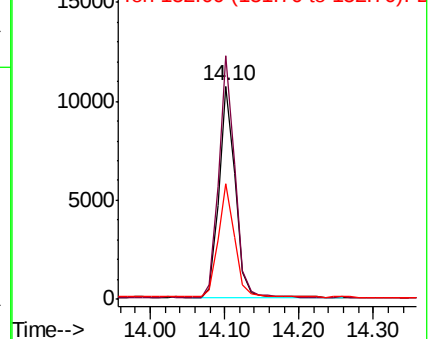
154 100

153 114.5 92.8 139.2

152 54.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.330 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

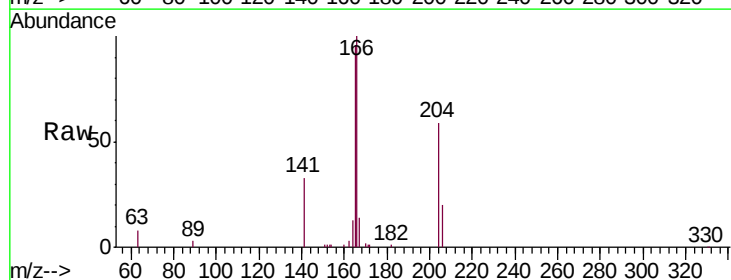
Tgt Ion:166 Resp: 21963

Ion Ratio Lower Upper

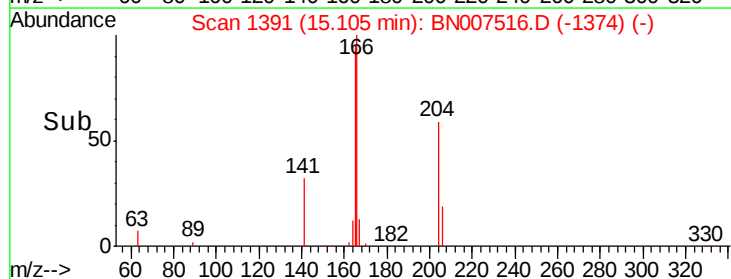
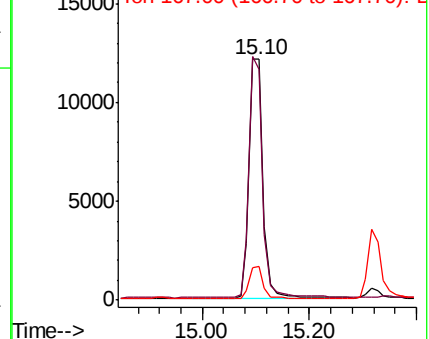
166 100

165 97.6 79.0 118.4

167 13.3 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

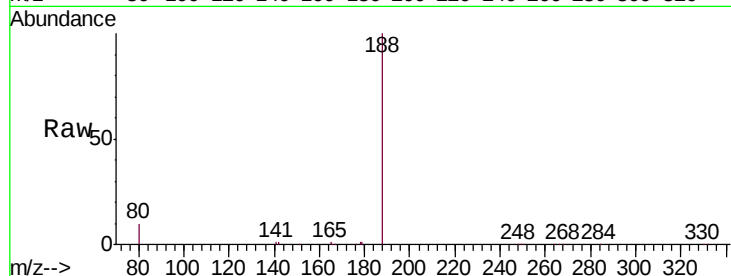
Tgt Ion:188 Resp: 38508

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

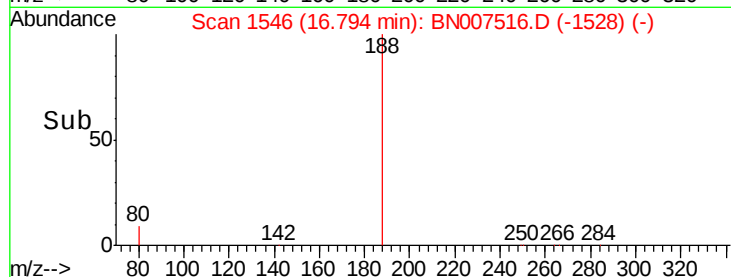
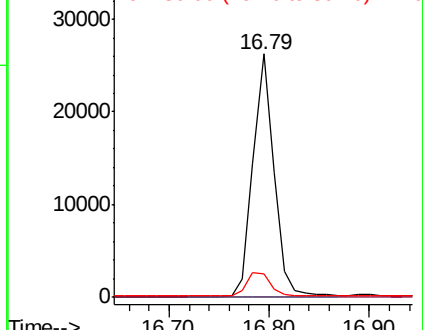
80 9.6 11.8 17.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.207 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

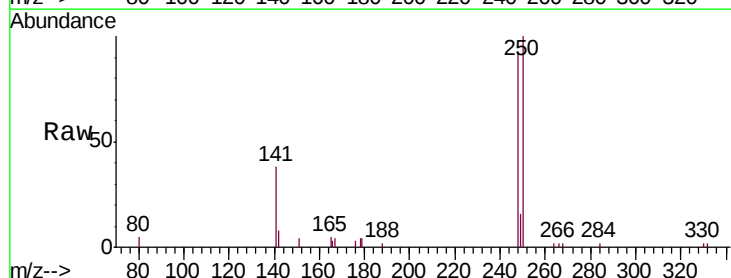
Tgt Ion:248 Resp: 3136

Ion Ratio Lower Upper

248 100

250 107.1 85.0 127.6

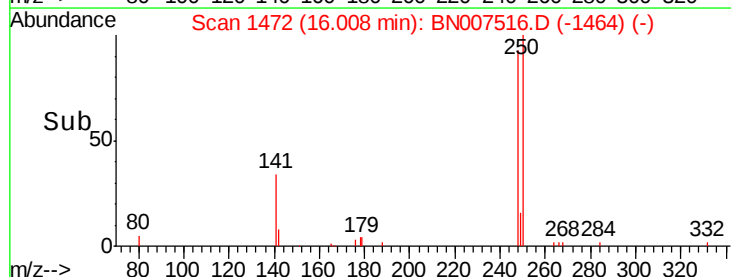
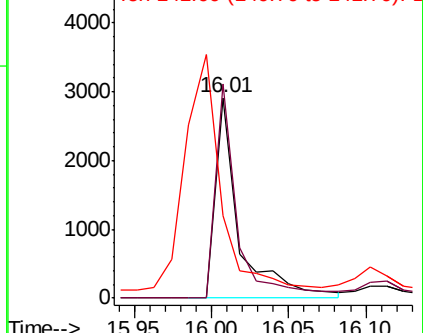
141 41.2 51.7 77.5#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

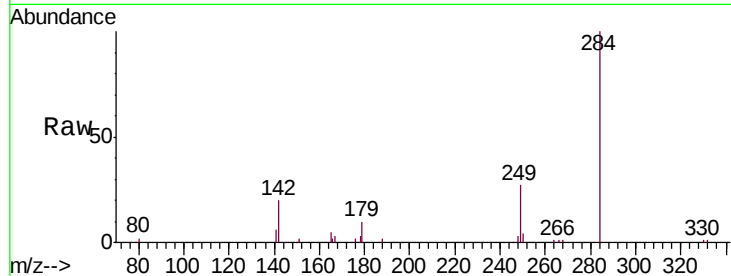




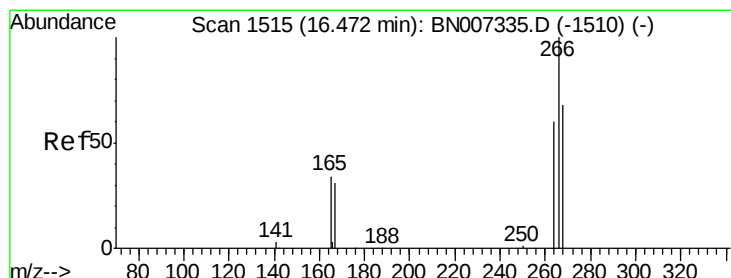
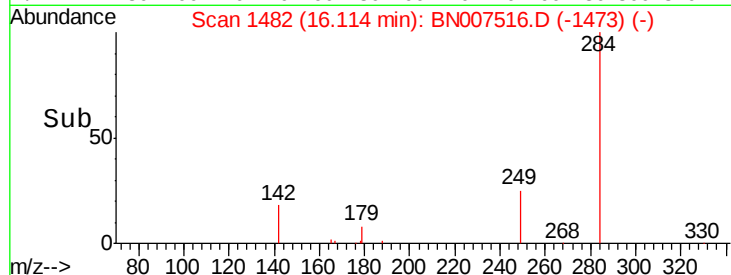
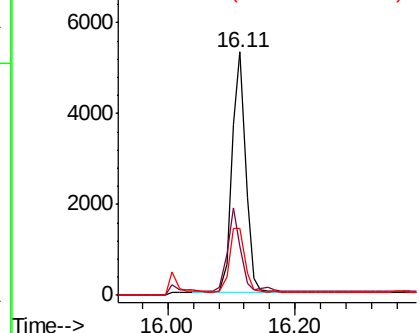
#21
Hexachlorobenzene
Concen: 0.303 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MSD

Tgt Ion: 284 Resp: 7824
Ion Ratio Lower Upper
284 100
142 33.9 29.0 43.6
249 29.4 24.9 37.3

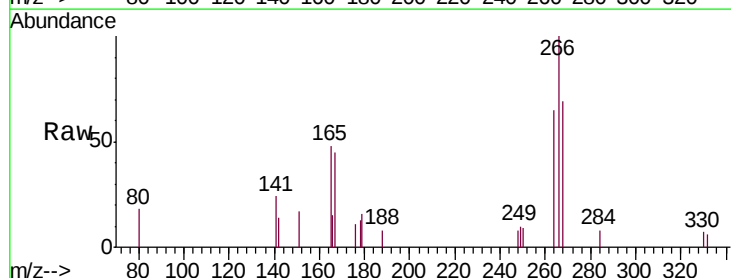


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

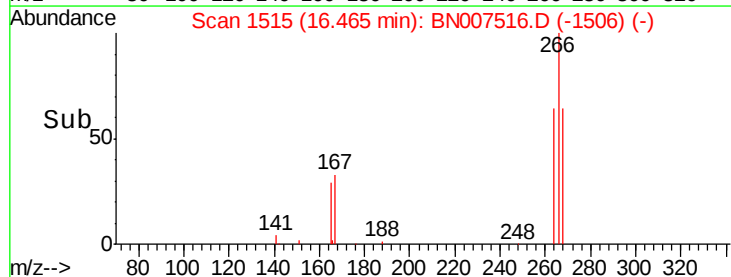
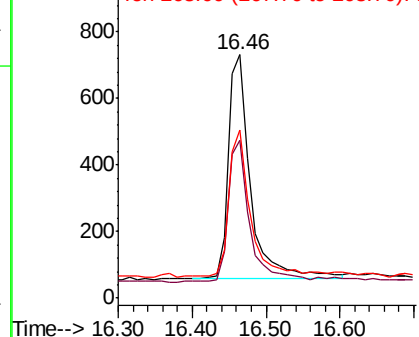


#22
Pentachlorophenol
Concen: 0.178 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007516.D
Acq: 29 Aug 2019 23:29

Tgt Ion: 266 Resp: 1427
Ion Ratio Lower Upper
266 100
264 65.0 57.8 86.8
268 68.9 99.7 149.5#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.334 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

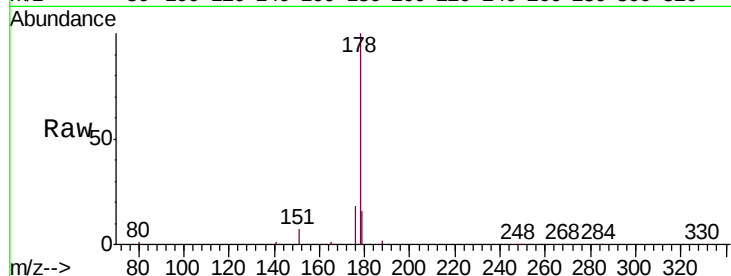
Tgt Ion:178 Resp: 38634

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

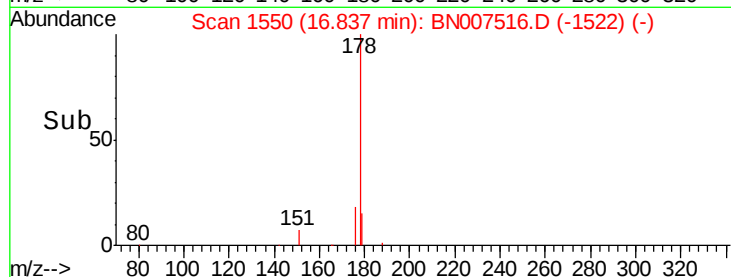
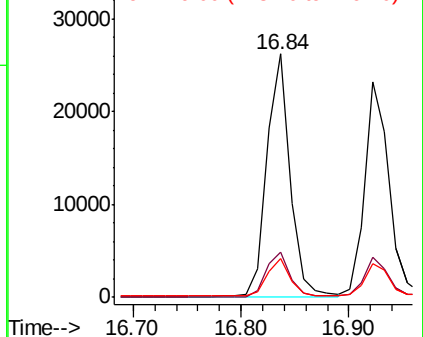
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.310 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

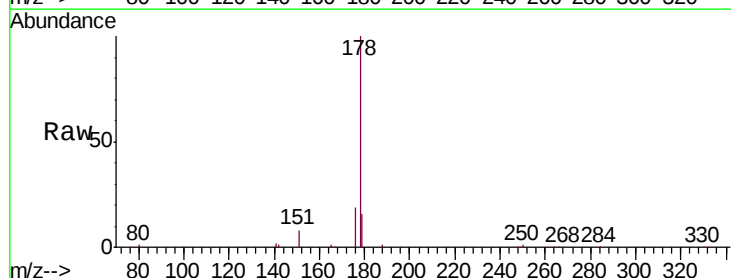
Tgt Ion:178 Resp: 36150

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

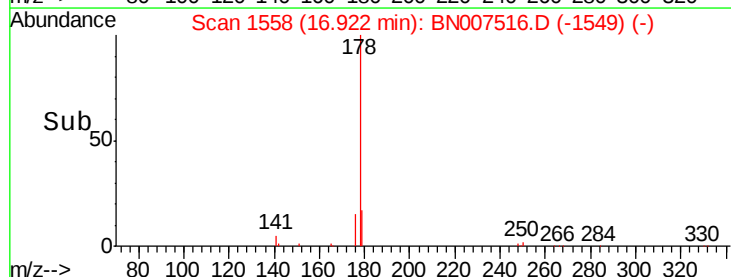
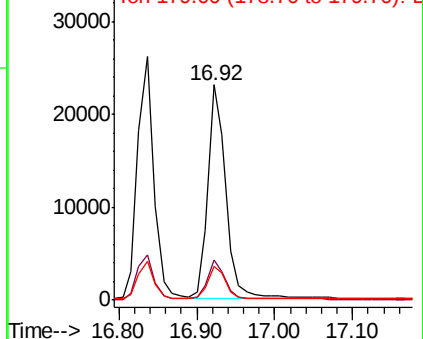
179 14.9 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

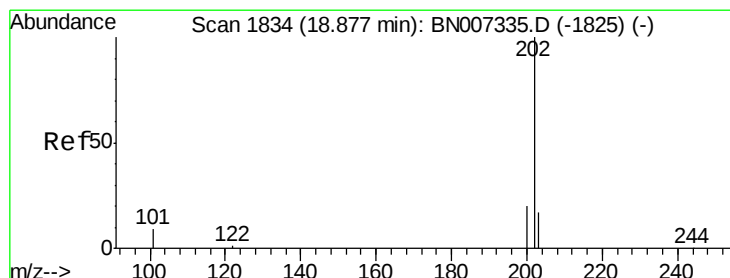
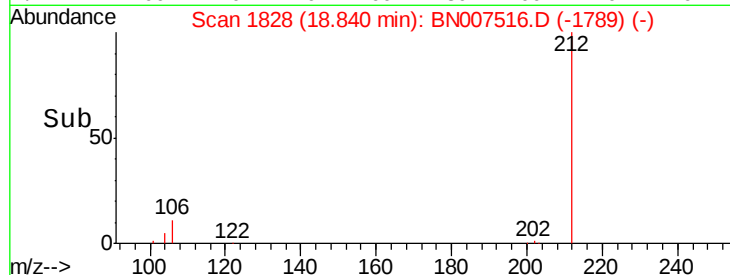
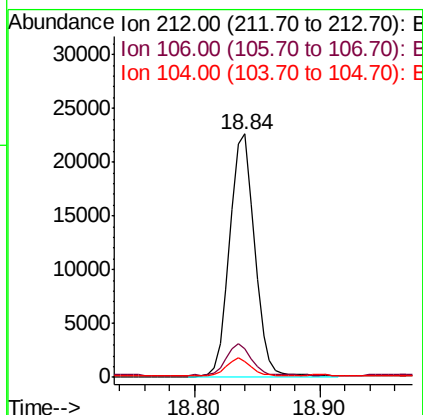
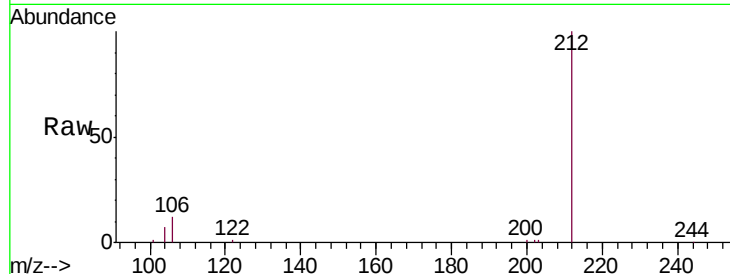




#25
 Fluoranthene-d10
 Concen: 0.250 ng
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BN007516.D
 Acq: 29 Aug 2019 23:29

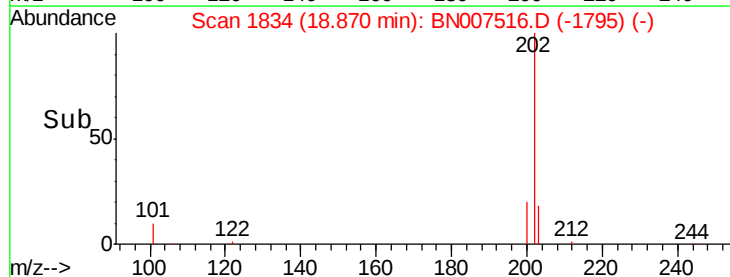
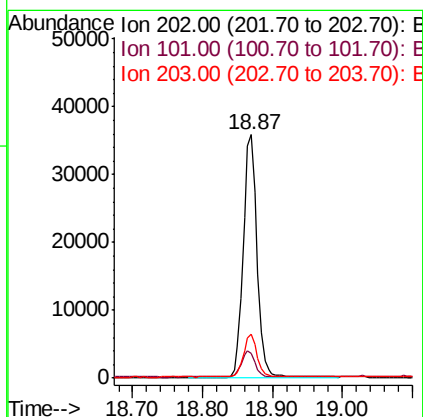
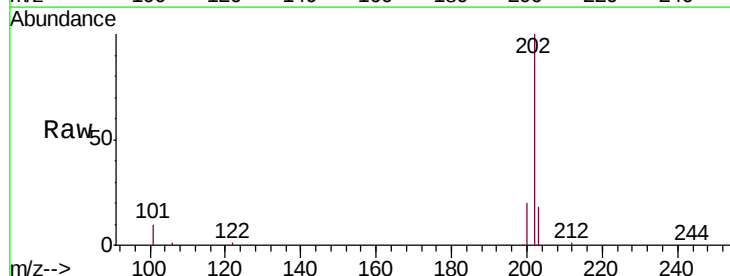
Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823MSD

Tgt Ion:212 Resp: 31044
 Ion Ratio Lower Upper
 212 100
 106 13.0 9.0 13.4
 104 7.2 5.4 8.2



#26
 Fluoranthene
 Concen: 0.334 ng
 RT: 18.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BN007516.D
 Acq: 29 Aug 2019 23:29

Tgt Ion:202 Resp: 49742
 Ion Ratio Lower Upper
 202 100
 101 10.8 7.7 11.5
 203 17.1 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

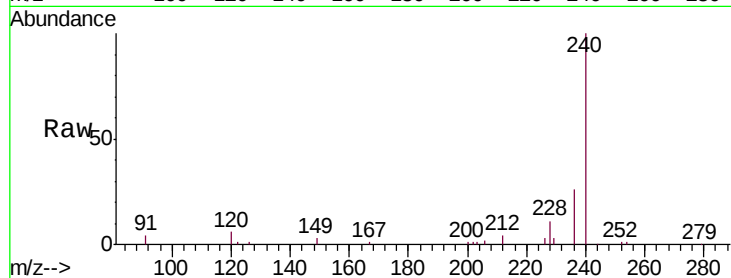
Tgt Ion:240 Resp: 41703

Ion Ratio Lower Upper

240 100

120 5.8 9.6 14.4#

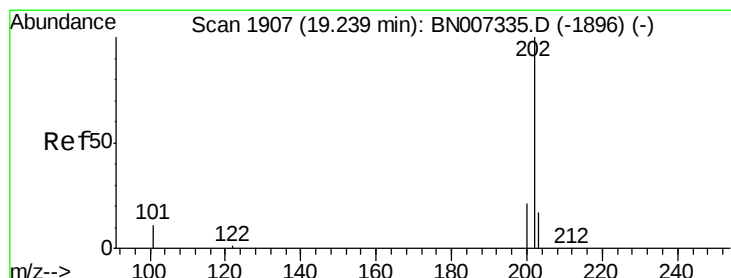
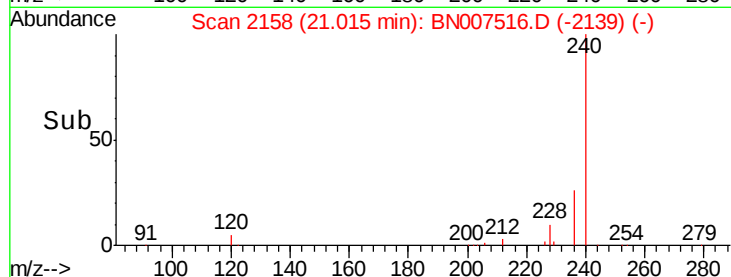
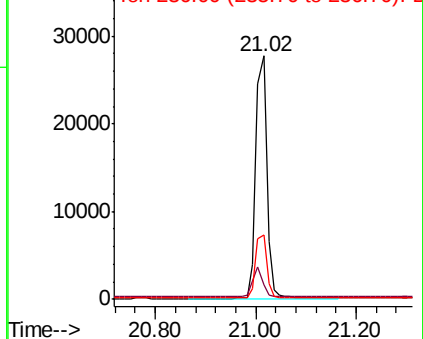
236 26.3 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.305 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

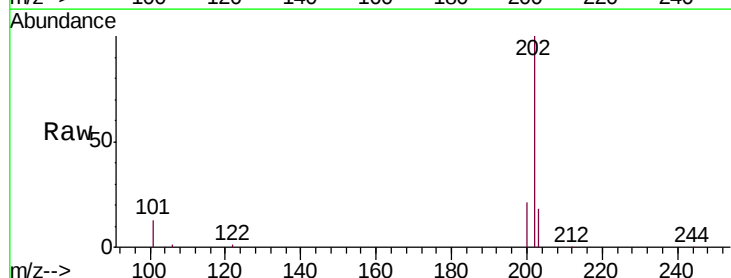
Tgt Ion:202 Resp: 51140

Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

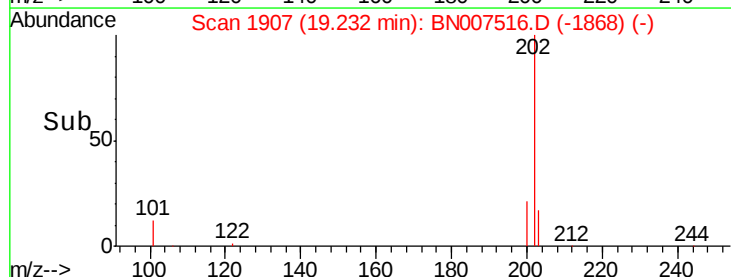
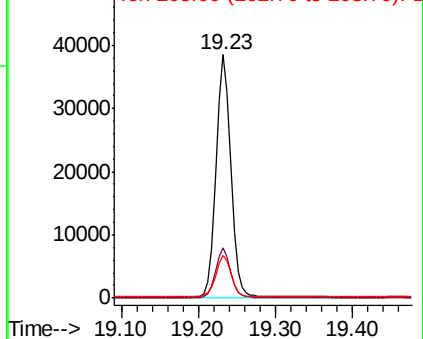
203 18.0 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.327 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

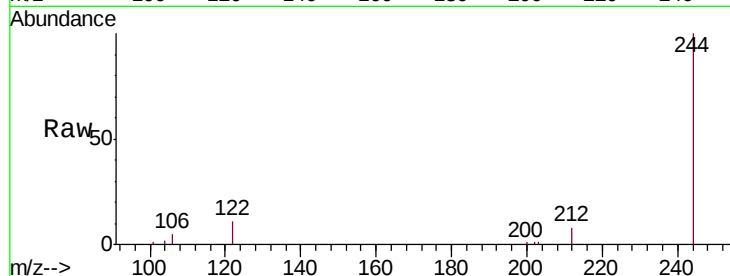
Tgt Ion:244 Resp: 35720

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.6

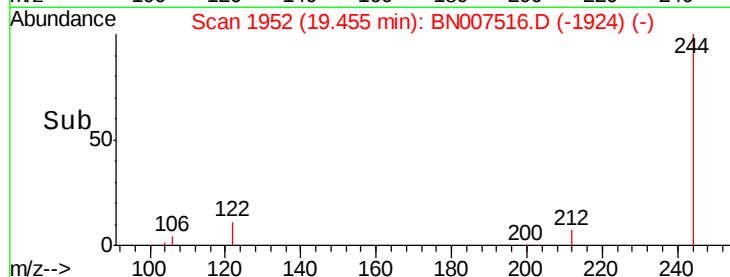
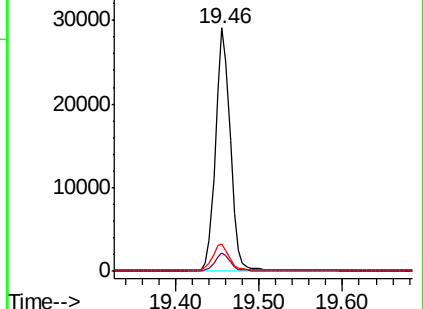
122 11.4 9.6 14.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.304 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

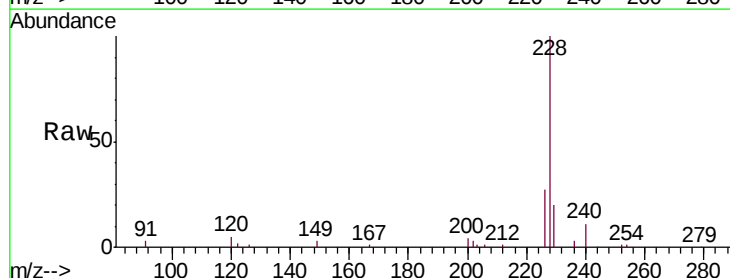
Tgt Ion:228 Resp: 49822

Ion Ratio Lower Upper

228 100

226 26.8 21.3 31.9

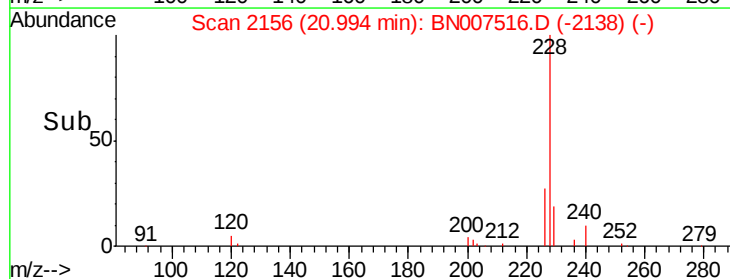
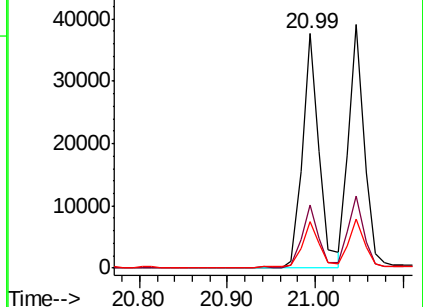
229 19.9 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.304 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

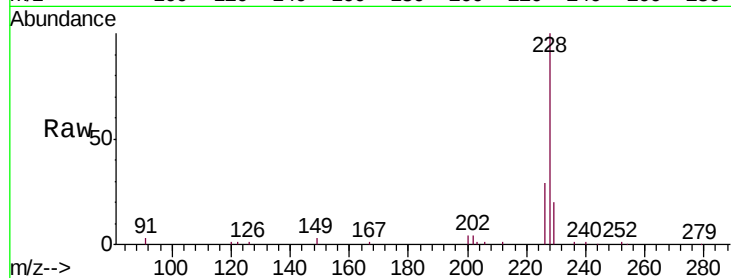
Instrument :

BNA_N

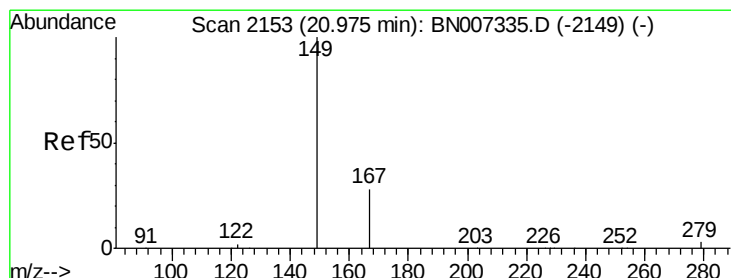
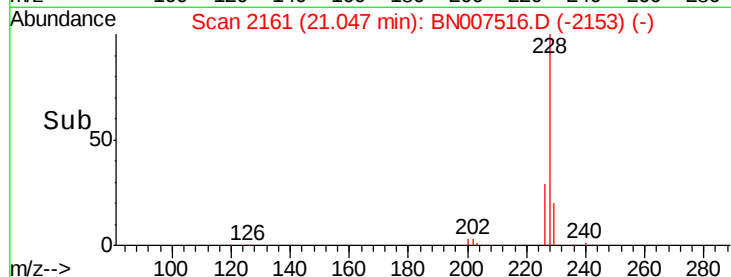
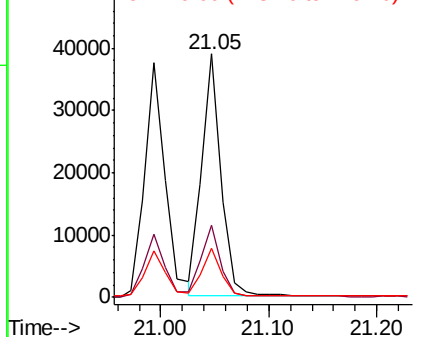
ClientSampleId :

TT-013-IDWSO-20190823MSD

Tgt Ion:	228	Resp:	48022
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	20.1	16.6	24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.458 ng

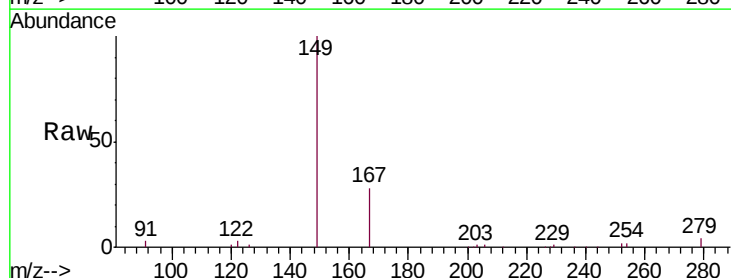
RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

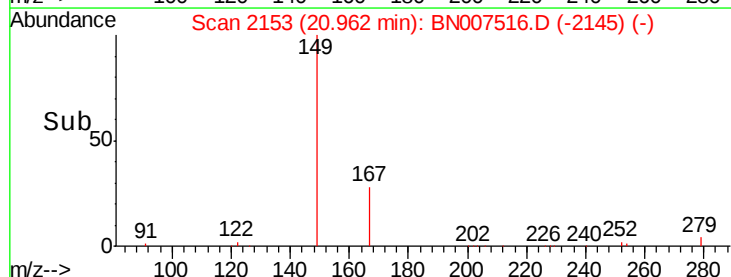
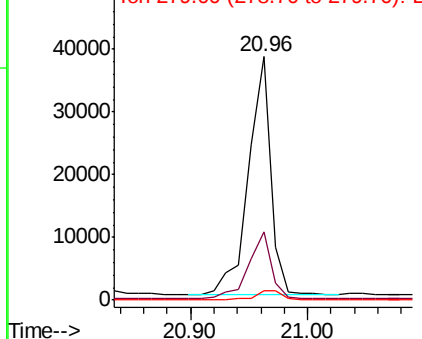
Lab File: BN007516.D

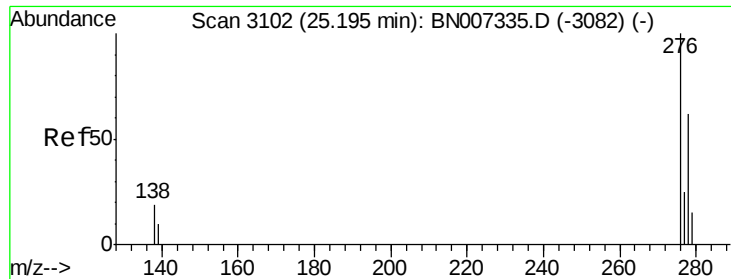
Acq: 29 Aug 2019 23:29

Tgt Ion:	149	Resp:	50524
Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.8	34.2
279	4.2	3.5	5.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.231 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.02 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

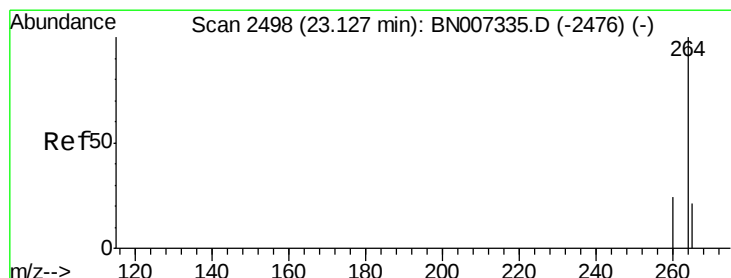
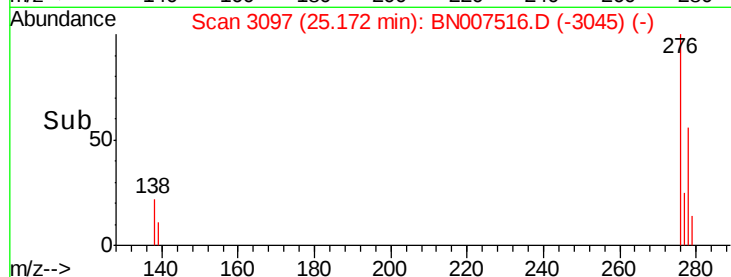
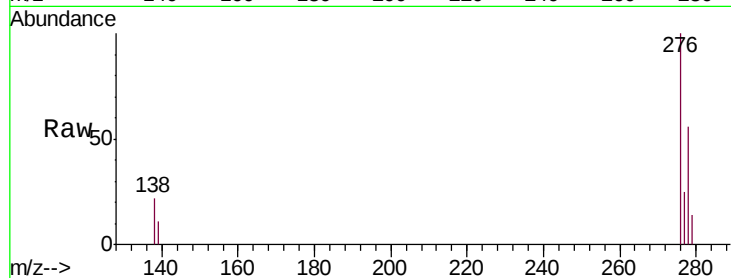
Tgt Ion:276 Resp: 44050

Ion Ratio Lower Upper

276 100

138 21.3 15.1 22.7

277 24.4 19.7 29.5



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.11 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

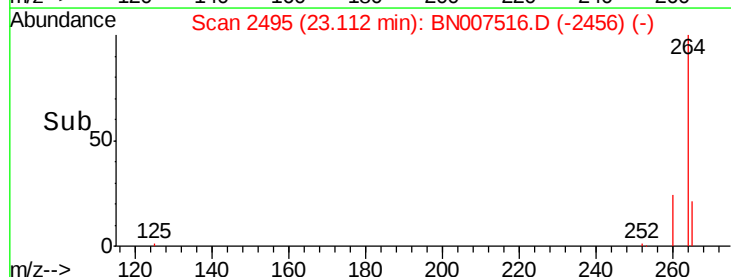
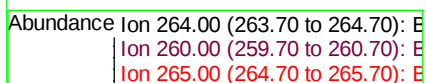
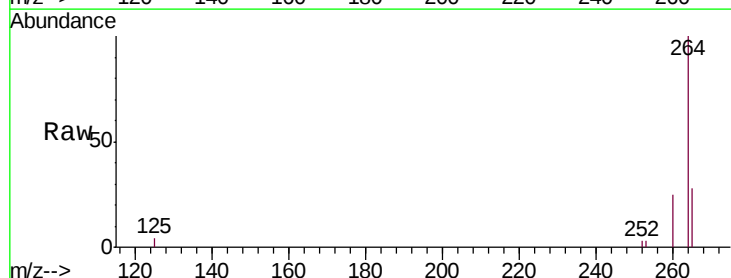
Tgt Ion:264 Resp: 39110

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 28.0 29.9 44.9#





#35

Benzo(b)fluoranthene

Concen: 0.328 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

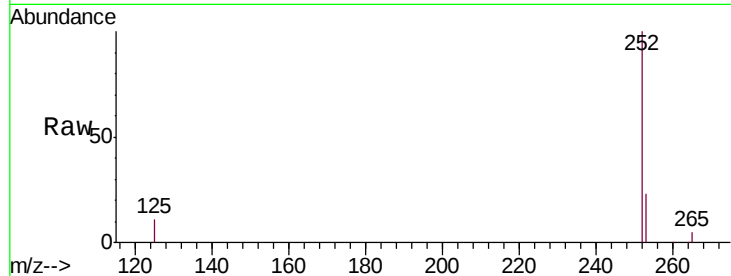
Tgt Ion:252 Resp: 46463

Ion Ratio Lower Upper

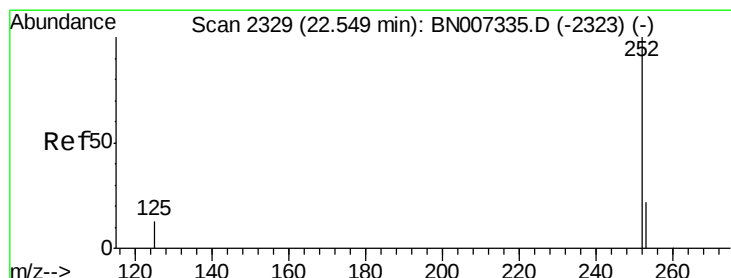
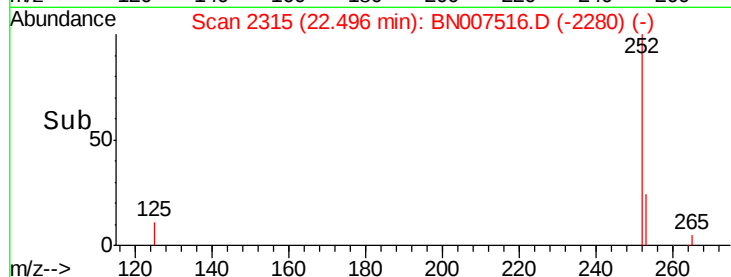
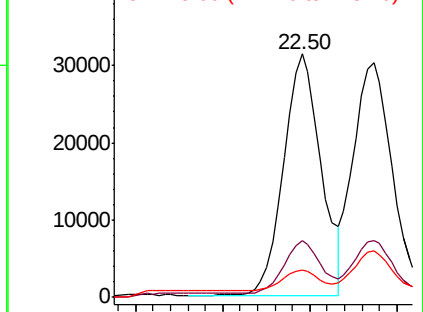
252 100

253 23.3 19.2 28.8

125 11.2 10.6 16.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.338 ng

RT: 22.54 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

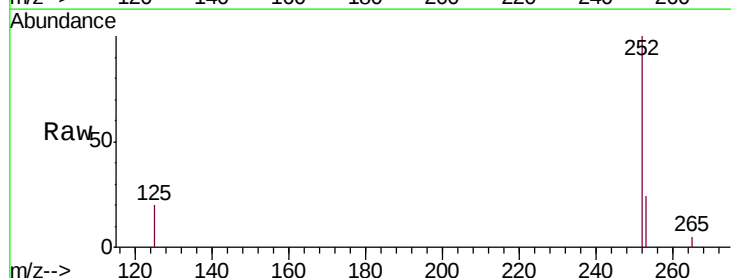
Tgt Ion:252 Resp: 47270

Ion Ratio Lower Upper

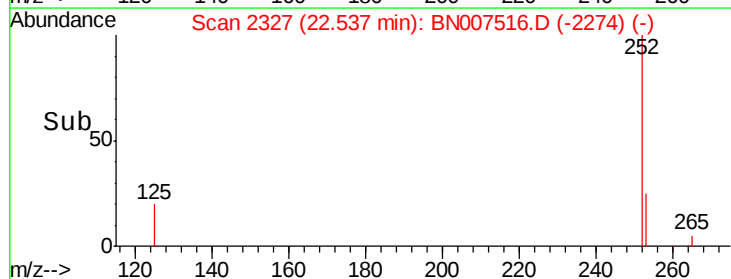
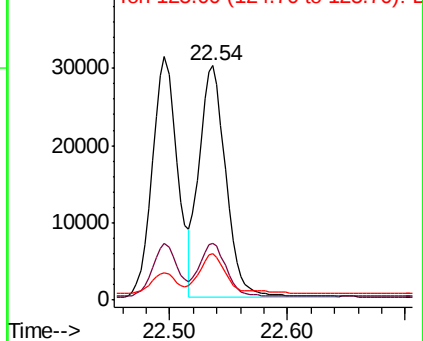
252 100

253 24.3 19.4 29.2

125 19.7 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.318 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.02 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD

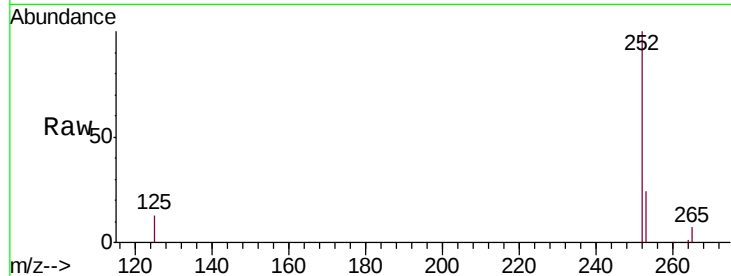
Tgt Ion:252 Resp: 42891

Ion Ratio Lower Upper

252 100

253 23.7 19.5 29.3

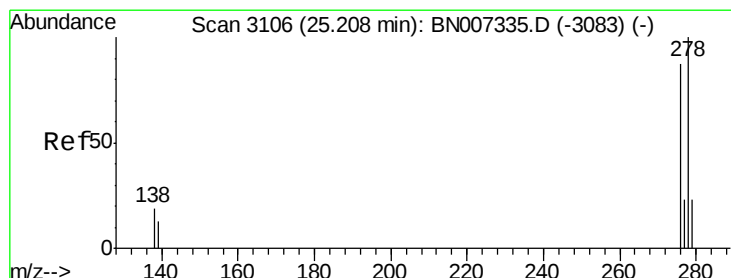
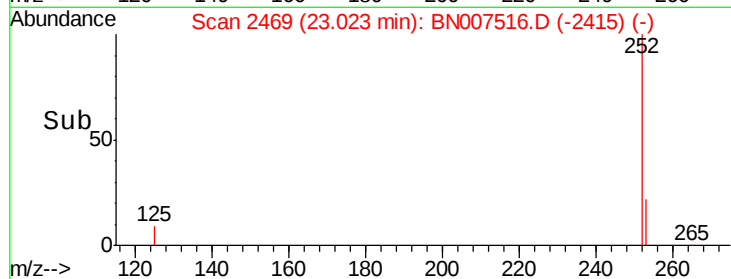
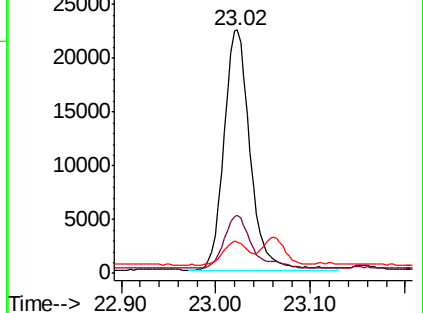
125 12.9 12.1 18.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.270 ng

RT: 25.19 min Scan# 3102

Delta R.T. -0.02 min

Lab File: BN007516.D

Acq: 29 Aug 2019 23:29

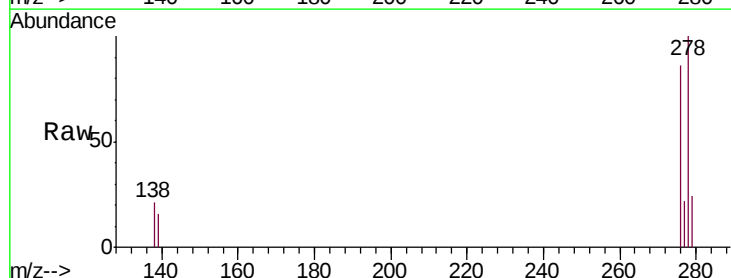
Tgt Ion:278 Resp: 36374

Ion Ratio Lower Upper

278 100

139 15.9 13.7 20.5

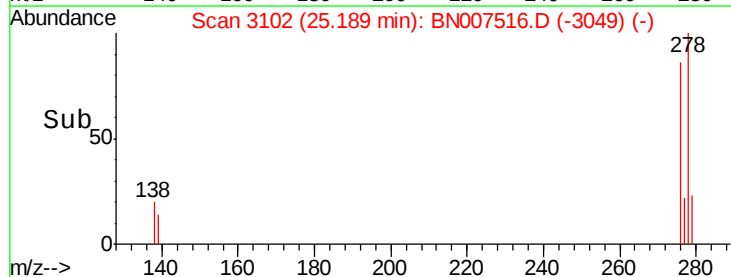
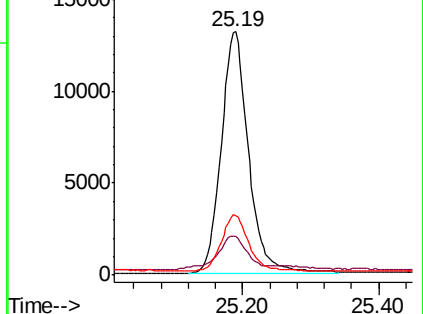
279 24.4 20.2 30.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.270 ng

RT: 25.80 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BN007516.D

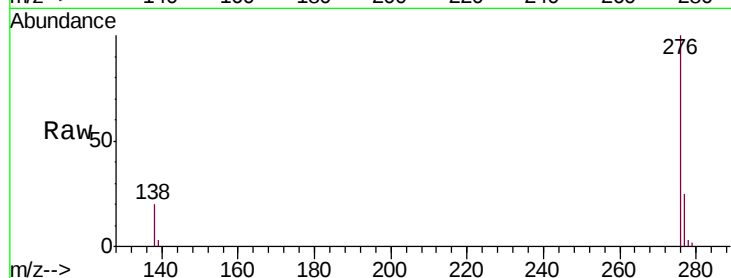
Acq: 29 Aug 2019 23:29

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823MSD



Tgt Ion: 276 Resp: 36221

Ion Ratio Lower Upper

276 100

277 24.6 19.6 29.4

138 20.0 16.3 24.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

